

(Example & Comparative example about zeolite)

Kind of zeolite	SiO ₂ /Al ₂ O ₃ mol ratio	cation content (mass %)	Adsorption capacity [mg-S/kg-adsorbent]							
			example 2	example 3	example 4	example 5	example 6	example 7	example 8	example 9
H-Y zeolite	5.5	3	9.3 2-1	8.5 3-1	7.3 4-1	4.6 5-1	2.2 6-1	1.8 7-1	0.4 8-1	—
H-Y zeolite	6	0.2	1.0 2-2	1.2 3-2	7.6 4-2	7.8 5-2	5.2 6-2	6.6 7-2	0.9 8-2	0.8 9-1
H-Y zeolite	3.6.0	0.0.3	5.2 2-3	8 3-3	2.5 4-3	3 5-3	1.9 6-3	1.2 7-3	0.0 8-3	—
H mordenite	18.3	0.3	—	7.0 3-4	—	—	—	—	—	—
H-β zeolite	27.4	0.0.2	1.2 2-4	1.2 3-5	3.7 4-4	—	4.0 6-4	5.3 7-4	0.9 8-4	1.0 9-2
NaY zeolite	5.5	8	9.1 C2-1	0 C3-1	2.7 C4-1	0 C5-1	—	—	—	0.4 C9-1
NaX zeolite	2.5	1.2	7.6 C2-2	3 C3-2	—	1.3 C5-2	1.7 C6-1	1.8 C7-1	0.3 C8-1	0.5 C9-2
KL zeolite	6.1	7.2	3.6 C2-3	1 C3-3	—	0 C5-3	—	—	—	0.2 C9-3
Na mordenite	18.3	4	1.6 C2-4	1 C3-4	4 C4-2	0 C5-4	—	—	—	—
K ferrierite	18.2	3	5 C2-5	0 C3-5	2 C4-3	0 C5-5	—	—	—	—

9.3 2-1	Adsorption rate Example number
9.1 C2-1	Adsorption rate Comparative example number